

EUROCAMP 2009, CIT, Cork

May 18th -19th

Gerard Culley, CISSP

IT manager CIT

Background

Systems Landscape

Challenges

Possible Solutions

Wrap up, Questions

History

CIT was founded in 1973, one of the oldest IOT's in Ireland

Volume

CIT has over 10,000 full time equivalent Students and over 1000 staff,
The second largest IOT and 6th largest institute in Ireland

Diverse

CIT is comprised of Main Campus, with 3 major faculties , also has

- Cork School of Music
- Crawford Art and Design
- National Maritime College

Dynamic

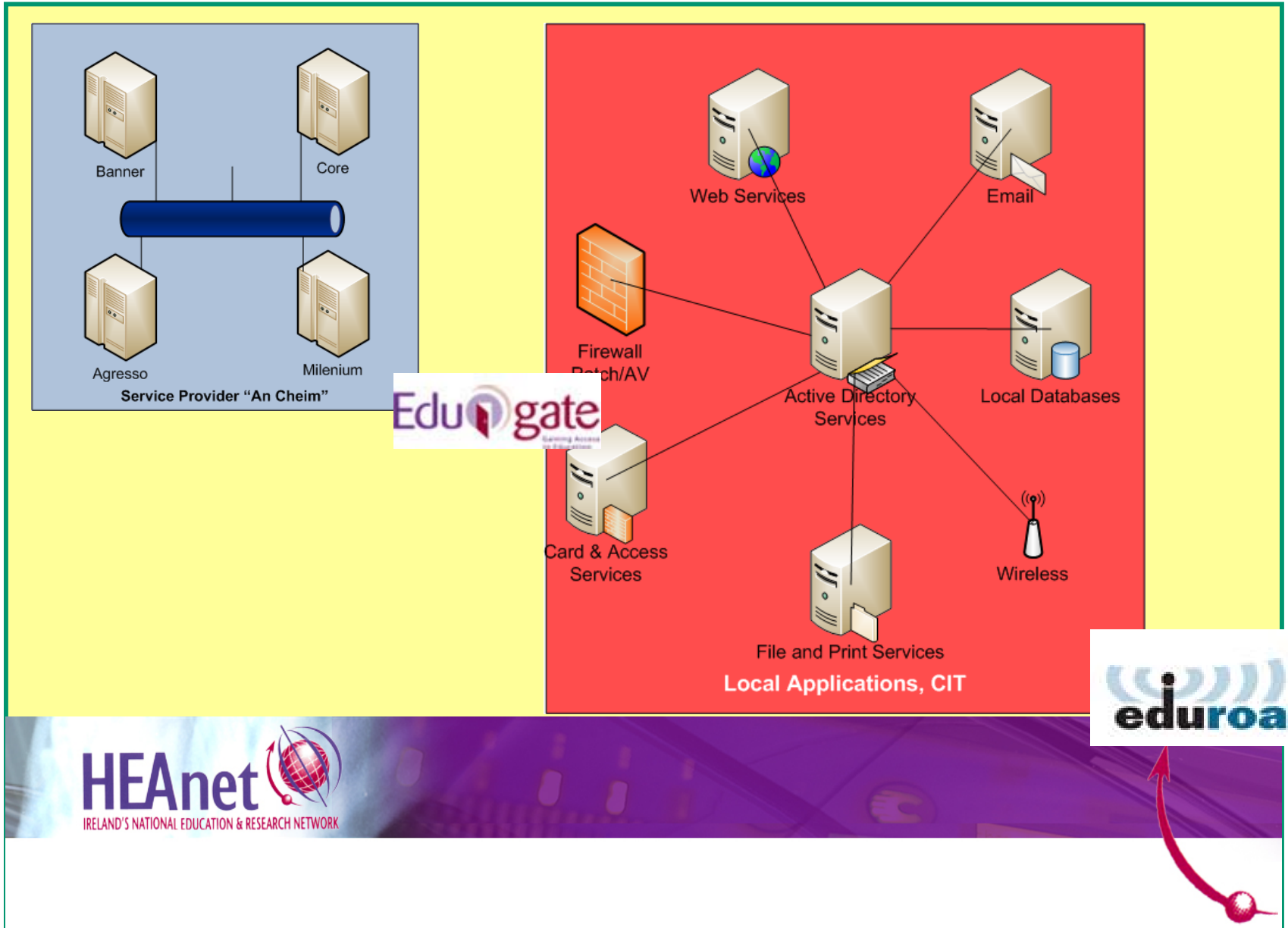
Strong history of alignment with local Industry (EMC, it@Cork)

Full implementation of Modularisation and Semisterisation, 2008

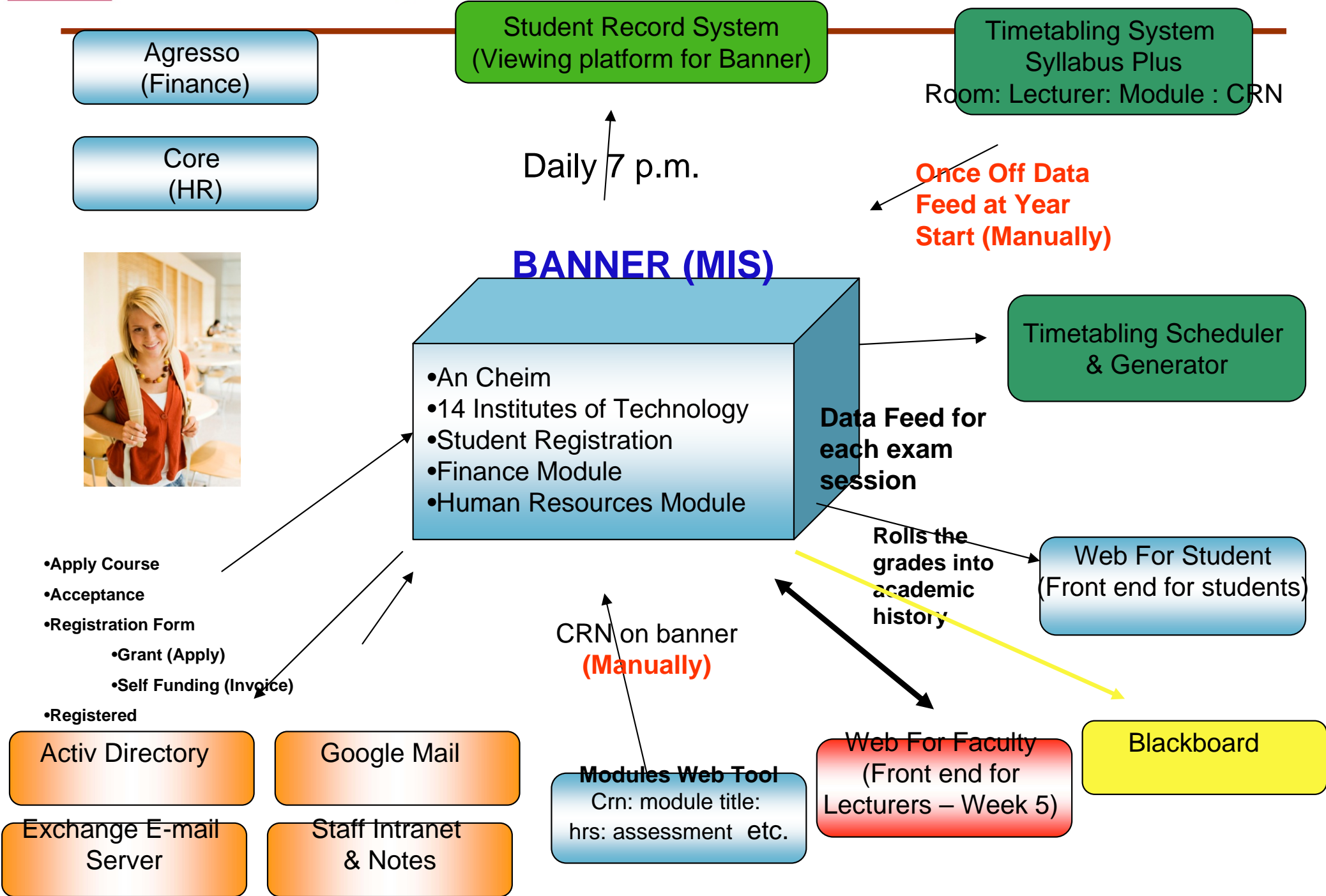
Strong Research Pedigree (BCO, AWS)

Focused on Building International links (China, India, Darmstadt)

CIT Systems Landscape



Bring on the middleware



Data

- Consistent Data always an issue
- Single source of the truth (HR systems, Banner, Student Registration)
- Agreement on data standardisation, structure and format

User Provisioning and Administration

- Service Provider/Vendor buy in to standard login processes (Edugate)
- Large number of Students and staff to administer in Multiple systems
- Consistency is a challenge (data, users, access rights, naming)
- Security is critical (staff & Students share must share resources securely)
- Joiner/Leaver process
- Do more with Less !

Single Sign on

- Too many secrets, results in a lack of security
- Password changes (60 days), across multiple systems, drives support
- Heavy burden on Administration
- Without it, a barrier to new services

What is Edugate?

Edugate federation launched by HEAnet to serve Irish education and research community

What does it do?

builds a trust relationship between IdPs and SPs

Key benefits:

for student – one credential

for IT Manager – lower cost by reducing number of accounts

for Content Provider – need only federate once

More info: www.edugate.ie

1. Enable SSO within the campus
2. Integration with GoogleApps:
 - correct mapping of campus accounts to Gmail accounts
3. Set campus IdP & SPs to be part of Edugate Federation:
 - map local account attributes to comply with Edugate schema while maintaining privacy
4. Upon completion:
 - save time => save money
 - maintains privacy
 - access to wider range of resources (via SSO)
5. More information: ***<http://www.edugate.ie>***

- eduroam facilitates free wifi access for roaming educational users.
 - Applies federated access concept to the Wifi service worldwide.
 - Built upon widely used wifi technologies (802.1X, Radius).
- Architecture is simple, so joining the service is easy.
- Success of eduroam has been based upon the cooperative nature of the research and education community.
- An example of a successful federated access model in operation.
 - Arises from a common need (for consistent Internet access).
 - Achieved through collaboration of participants.
- More information:
 - eduroam in Ireland: ***<http://www.eduroam.ie>***
 - eduroam worldwide: ***<http://www.eduroam.org>***